

ZAZA System

OPERATOR'S Guide Use and Maintenance

*Guide to be given to the park operator in addition to the manufacturer's manual.
This document is to be kept in the park reception area and to be presented for all controls.*

EUROPEAN STANDARDS



EN 15567-1
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The ZAZA continuous lifeline safety device consists of an inseparable set of anchoring elements (platens, plates and safety hooks) as well as their modes of fastening. Any improper mounting or mounting of elements that are not part of the ZAZA system cancels all certifications, guarantees and all liability of the company COUDOU PRO. ZAZA safety hooks cannot be used as security elements on continuous lifeline devices other than ZAZA systems. Each ZAZA safety hook must be equipped with the lanyard locking system supplied separately from the hook.

Language of the guide: This guide is subject to French law to the exclusion of any other legislation. It is written in French. In cases where it is translated into one or several languages, the French version will prevail in case of dispute. In the event of difficulties of comprehension or interpretation of this guide, only the French text will prevail. This guide may, by decision of its author, at all times be corrected and/or improved within the framework of certain necessary technical updates and for its proper understanding.

IMPORTANT INFORMATION FOR PARK OPERATORS USING THE ZAZA SYSTEM

Park operators using this system undertake to comply with the instructions and recommendations specific to the use of the ZAZA2 system. Given this, they will pass them on to their staff or them to apply themselves.

❖ **The operator must have the conformity of its facilities checked after installation by an authorized inspection body (see section 6 of this guide).**



IMPORTANT RECOMMENDATIONS



The ZAZA CS safety hooks must be fitted directly and correctly (by a locking elastic) to CE compliant lanyards to personal protective equipment (PPE) provided to each participant in accordance with the EN 15 567-1 standards in force.



Mandatory: Conform to the note of the manufacturer KONG

The ZAZA CS safety hooks must be directly attached to the lanyard and properly locked. In addition it will be equipped with a «rubber blocking» anti-slip device.

Mandatory: The safety hooks ZAZA CS must be equipped with «lanyard locking system» supplied with each hook (see installation instructions provided in sending brackets).



CAUTION: The safety ZAZA line continuous life is composed of a set inextricably linked to anchorage elements (plates , plates and safety clips) and their mounting methods . All non-compliant mounting . fixtures or items not being part of the system ZAZA cancel all certifications , guarantees and all liability society COUDOU PRO . The safety hooks ZAZA may be used as security features on devices continuous lifeline other than ZAZA system.

IMPORTANT: In the case of using double lanyard with a safety hook ZAZA2 and a traditional carabiner hook **ZAZA2 is the only safety device system ZAZA2 lifeline.**

The second hook remains an element of progression and no safety even as a pulley (see benefits below) .

The benefits of using double la yard with a second carabiner :

➔ allows the practitioner to keep his habits change on adventure trails by the passage of the hook and the transfer hook, **while being secured so standing by the safety hook.**

➔ Used to regulate the flow on route avoiding too rapid movement by the passage of the hook and the transfer of the carabiner.

1. INSTRUCTIONS FOR USE and MAINTENANCE OF THE «ZAZA CS» SAFETY HOOK


1.1 IMPORTANT INFORMATION REQUIRED TO BE PROVIDED TO OPERATORS

Each park operator must be aware of recommendations on the use of the ultra-fast evacuation system fitted to the ZAZA security hooks

When making equipment available to the customer, you must ensure that the ZAZA safety hook manufactured by KONG has its evacuation mechanism locked (see Photo n°1: lock pin visible in locked position in the ferrule). It has a gap of 5.5mm (0.22 inch) between the two points so as not to be removed from the cable by the user (see photo n°1).

1.2 EACH PARTICIPANT WILL RECEIVE INSTRUCTIONS FOR USE

Before starting on the trails participants are required to do a test course (briefing) to verify that they have understood the instructions and mainly how to engage the ZAZA CS security hook at the start of each trail (see photo n°2) in accordance with standard EN 15 567-2.

 **IMPORTANT:** the operator must ensure that each participant has properly engaged the ZAZA safety hook at the start of each trail.


1.3 EVACUATION

To evacuate a customer from the continuous lifeline, strike the evacuation mechanism locking pin using the specific key and bring down the ferrule to open the hook to disengage the cable (see photo n°3). Each operator must have a key allowing its opening.

 **VERY IMPORTANT:** After each opening of the evacuation mechanism, the operator must check that it is indeed returned to the "locked" position.

1.4 CONTROLS: comply with standard EN 15 567-2 «Control of equipment»

a. It is important to carry out routine visual controls before and after the provision of the ZAZA safety hook to the customer in order to detect all problems.


 **VERY IMPORTANT:** before the first entry into public service, operate the evacuation mechanism of each hook to verify that it works properly and freely.

You must clearly hear the «click» of locking on raising the ferrule which ensures that the locking pin is indeed in the «locked» position, the pin must be visible flush with the ferrule.

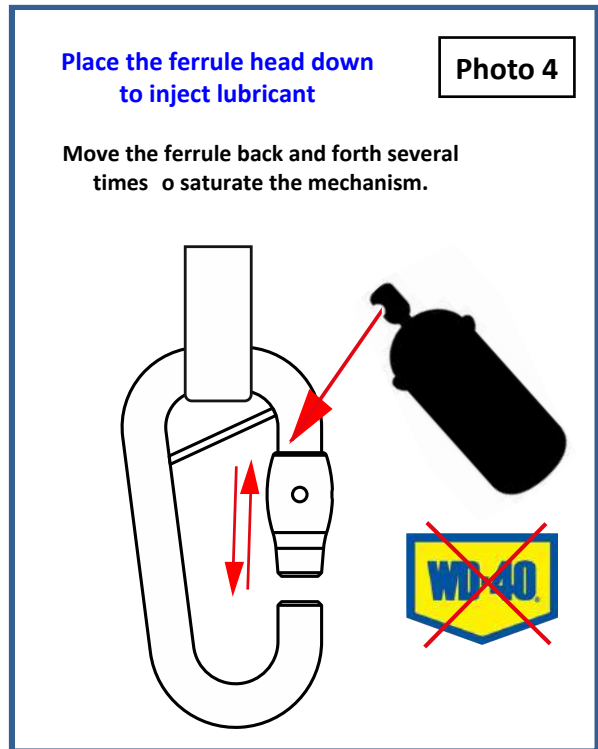
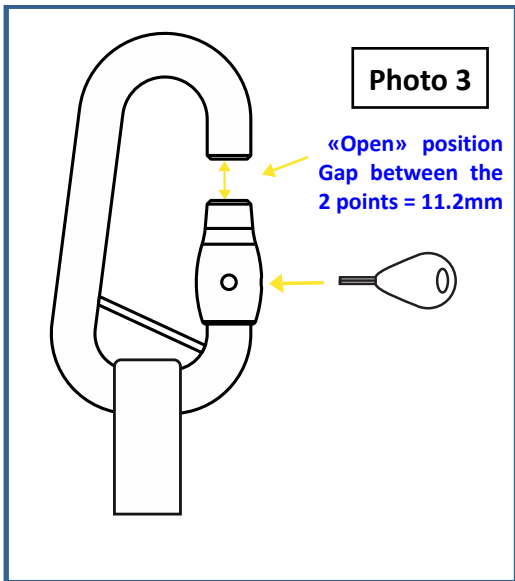
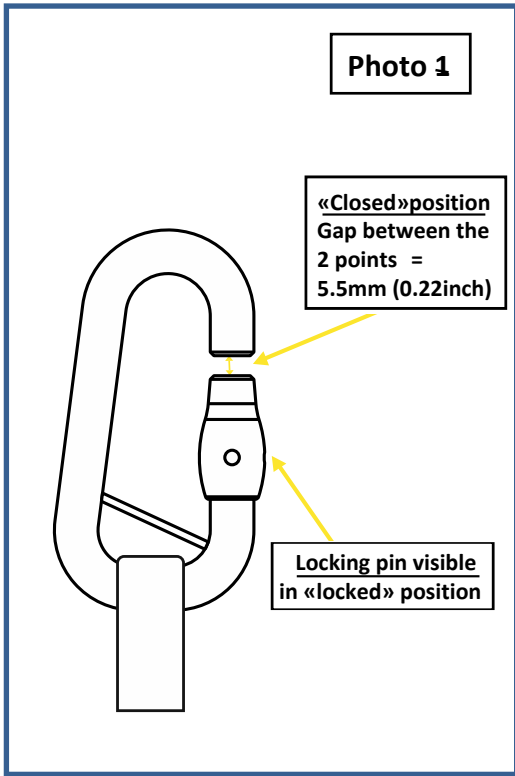
b. It is also important to carry out a monthly functional control in order to check if the mechanism of evacuation is not damaged (seized up or crushed).

c. **The ZAZA safety hook is part of the overall ZAZA system** composed of plates, safety hooks, cables and their mode of attachment. This forms a CPE assembly (Collective Protection Equipment) certified to standards EN 15.567-1. **The ZAZA safety hook will be monitored annually as part of the CPE.** Being attached to a batch of PPE (Personal Protective Equipment) provided to the customer, **it must be entered in the checks register in the same way as a PPE** with the date of commissioning and serial number (see Section 4.2 of this guide)

1.5 MAINTENANCE AND STORAGE OF ZAZA SAFETY HOOK

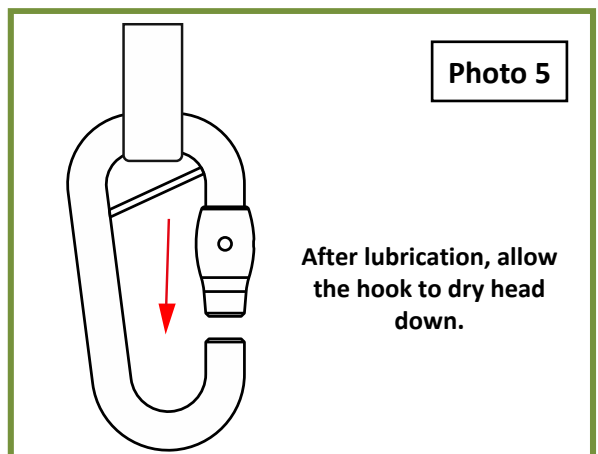
It will be appropriate, at the end of the season, to lubricate the safety hook evacuation mechanism. Place the ferrule head-down to inject lubricant, make several back-and-forth motions of the ferrule to fully saturate the mechanism (see Photo n°4).  Adapt the frequency of lubrication to the frequency of use (3 times minimum by season)

After the lubrication operation, for storage, hang the harness so that the hook head points down (see Photo n°5) so that the oil dries in the ferrule and does not run onto the ground. The safety hooks should be stored in a clean room, protected from moisture. Before putting them into service the following season, it will be necessary to ensure that the evacuation mechanism is working properly.



To allow opening of the hook:
Strike the locking pin using a key and bring the ferrule down.

IMPORTANT AFTER EACH OPENING
verify that it is in the «locked» position
You must hear the «click» of locking which ensures that the pin is in the «locked» position



2. WARRANTY CONDITIONS FOR ZAZA SYSTEM COMPONENTS

2.1 The warranty takes effect from the date of invoice.

2.2 Intermediate plates and zip line plates are guaranteed for 5 years against manufacturing defects (excluding improper installation, misuse or deterioration due to poor maintenance).

2.3 The ZAZA fast evacuation safety hooks have a 2 year guarantee:

- excluding misuse (e.g.: putting on the ground in soil, dust or mud, fitting a lanyard that is too short or bad cable sag = high friction),
- excluding deterioration (poor maintenance, improper storage, etc. ...),
- excluding damage due to impacts or accidents,
- excluding modifications
- excluding normal wear of parts.

3. SERVICE LIFE OF COMPONENTS *(excluding cables and crimp sleeves)*

3.1 The lifetime of the components of the ZAZA system starts from the date of commissioning. The date of commissioning shall be recorded in the information or park maintenance folder.

3.2 The lifespan of the KONG ZAZA safety hooks depends on their frequency of use and their state of wear. Being attached to a batch of PPE, the date of commissioning must be recorded in the PPE control register with their printed serial number (eg 13 or 131 615 0282), the manufacturer's name: KONG / COUDOU PRO and model: ZAZA CS.

On each occasion before being made available the ZAZA safety hooks must be validated, according to standard EN 15 567-2, Appendix B, «Monitoring and Inspection of Personal Protective Equipment.»

3.3 The lifespan of the whole assembly of plates, bypasses and rings for jumps and vertical climbs of the ZAZA2 system depends on their frequency of use and their state of wear. During the mandatory periodic control, the inspection body will assess their condition and validate their use, in accordance with standard EN 15 567-2 Article «Controls and maintenance».



4. SERVICE LIFE OF CONTINUOUS LIFELINE CABLE



IMPORTANT:

The cable must be replaced every five years, even if it has no apparent sign of fatigue or significant oxidation to ensure maximum safety for your users, subject to an unfavourable opinion of the inspection body at the annual periodic inspection

For what reasons must it be changed?

- a. Due to the impossibility of checking oxidation inside the crimping sleeves and the inner core of the cable.
- b. Because the cable is subjected at each use to countless horizontal oscillations and micro-vibrations that eventually create internal cable fatigue that cannot be detected, which may lead to its rupture.

5. CONTROLS, CHECKS AND MAINTENANCE

to comply with the standard EN 15 567-2 .

5.1 Checks before opening the park must be performed by an authorized inspection bod .

5.2 Periodic checks of the park must be carried out at least once a year by an authorised inspection bod .

5.3 It is important to perform **routine visual monitoring before opening the trails** in order to identify any problems.

5.4 It is also important to carry out **a monthly functional ontrol** on the following points:


- a. Check the condition of the plates, bypasses and rings for jumps and vertical climbs

 **IMPORTANT: If you notice distortion or rupture, of one or more elements they should be replaced immediately or this will lead to the closure of the trail.**

- b. **Check the tightness of the cable clamps that hold the plates and that these have not slipped from their position**

5.5 Quarterly control to be carried out at the following points:

- a. Perform a complete check of the condition of the ontinuous li eline cable and especially of the interior of the tubes of the plates at the ends of the crimping sleeves.
- b. Checking of the tension of the continuous li e line cable. The cable must remain at the height define by the manufacturer to avoid fall risk factors
- c. Perform a complete check of the carrying cables where the plates are attached.

 **IMPORTANT: If a cable has a series of cut wires, deterioration or significant oxidation, it must be replaced immediately or will lead to the closure of the trail.**